

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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**REVOCATION OF POWER OF ATTORNEY WITH**  
**NEW POWER OF ATTORNEY AND**  
**CHANGE OF CORRESPONDENCE ADDRESS**

I hereby revoke all previous powers of attorney given in the patent applications and patents identified below.

1. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 4,822,979 Filed / Issue Date: 04/18/1989 Entitled: TEMPERATURE CONTROLLED SOLDERING IRON WITH A UNITARY ELECTRICALLY HEATED SOLDERING TIP AND THERMO COUPLE Attorney Docket No.: 47434.17
2. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: D439821 Filed / Issue Date: 04/03/2001 Entitled: BOARD HOLDER Attorney Docket No.: 47434.22
3. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 6,329,641 Filed / Issue Date: 12/11/2001 Entitled: DEVICE AND METHOD FOR CONTROLLING A SOLDERING IRON Attorney Docket No.: 47434.23
4. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 5,066,849 Filed / Issue Date: 11/19/1991 Entitled: SOLDERING IRON FOR SURFACE MOUNTED COMPONENTS Attorney Docket No.: 47434.24
5. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: D467,048 Filed / Issue Date: 12/10/2002 Entitled: HAND-HELD VACUUM PICK-UP Attorney Docket No.: 47434.30

## PATENT

6.	Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 6,710,304 Filed / Issue Date: 03/23/2004 Entitled: CARTRIDGE TYPE SOLDERING IRON WITH A RELEASABLE AND REPLACEABLE HANDLE Attorney Docket No.: 47434.31
7.	Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 6,563,087 Filed / Issue Date: 05/13/2003 Entitled: AUTOMATED SOLDERING SYSTEM Attorney Docket No.: 47434.32
8.	Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 6,916,859 Filed / Issue Date: 07/12/2005 Entitled: ANTI-MICROBIAL TOOL GRIP Attorney Docket No.: 47434.35
9.	Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 6,818,862 Filed / Issue Date: 11/16/2004 Entitled: IRON TIP AND ELECTRIC SOLDERING IRON Attorney Docket No.: 47434.37
10.	Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 7,044,354 Filed / Issue Date: 05/16/2006 Entitled: SOLDERING SYSTEM WITH INDICATOR LIGHTS DISPLAYING SYSTEM STATUS Attorney Docket No.: 47434.44
11.	Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: D505605 Filed / Issue Date: 05/31/2005 Entitled: HALF CIRCULAR FLANGE FOR A SOLDERING CARTRIDGE Attorney Docket No.: 47434.45
12.	Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: D505053 Filed / Issue Date: 05/17/2005 Entitled: SOLDERING HANDLE FOR TWO PARALLEL CARTRIDGES Attorney Docket No.: 47434.46

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13. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: D489236 Filed / Issue Date: 05/04/2004 Entitled: FLANGE FOR A SOLDERING CARTRIDGE Attorney Docket No.: 47434.47
14. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: D491030 Filed / Issue Date: 06/08/2004 Entitled: MINI HANDLE FOR PARALLEL CARTRIDGES Attorney Docket No.: 47434.52
15. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 7,060,937 Filed / Issue Date: 06/13/2006 Entitled: CARTRIDGE-TYPE SOLDERING IRON WITH INERT GAS EMITTED NEAR THE TIP Attorney Docket No.: 47434.53
16. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 7,030,339 Filed / Issue Date: 04/18/2006 Entitled: SOLDERING IRON TIP WITH METAL PARTICLE SINTERED MEMBER CONNECTED TO HEAT CONDUCTING CORE Attorney Docket No.: 47434.56
17. Applicant / Patent Owner: Toshikazu Mochizuki Application No. / Patent No.: 10/816,231 Filed / Issue Date: 03/31/2004 Entitled: SOLDER HEATING SYSTEM Attorney Docket No.: 47434.57 Examiner: Rachel E. Beveridge Art Unit: 1725 Confirmation: 9143
18. Applicant / Patent Owner: Hiroyuki Masaki Application No. / Patent No.: 10/874,856 Filed / Issue Date: 06/22/2004 Entitled: REPLACEABLE SOLDERING TIP WITH SENSOR RECESS Attorney Docket No.: 47434.58 Examiner: Stephen J. Ralis Art Unit: 3742 Confirmation: 7364

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19.	Applicant / Patent Owner: Mitsuhiko Miyazaki, et al. Application No. / Patent No.: 10/892,780 Filed / Issue Date: 07/15/2004 Entitled: SOLDERING DEVICE WITH CARTRIDGE TYPE BATTERY PACK Attorney Docket No.: 47434.61 Examiner: Stephen J. Ralis Art Unit: 3742 Confirmation: 3680
20.	Applicant / Patent Owner: Takashi Nagase, et al. Application No. / Patent No.: 10/785,152 Filed / Issue Date: 02/24/2004 Entitled: SOLDERING IRON TIP AND METHOD OF MANUFACTURING SAME Attorney Docket No.: 47434.66 Examiner: Michael Aboagye Art Unit: 8157 Confirmation: 8157
21.	Applicant / Patent Owner: Takashi Nagase, et al. Application No. / Patent No.: 10/785,151 Filed / Issue Date: 02/24/2004 Entitled: SOLDERING IRON TIP AND METHOD OF MANUFACTURING SAME Attorney Docket No.: 47434.67 Examiner: Michael Aboagye Art Unit: 1725 Confirmation: 8167
22.	Applicant / Patent Owner: Kayoko Yoshimura, et al. Application No. / Patent No.: 10/967,017 Filed / Issue Date: 10/14/2004 Entitled: DESOLDERING WICK FOR LEAD-FREE SOLDER Attorney Docket No.: 47434.69 Examiner: Kevin P. Kerns Art Unit: 1725 Confirmation: 5866
23.	Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 6,131,791 Filed / Issue Date: 10/17/2000 Entitled: SOLDERING AND DESOLDERING DEVICE WITH IMPROVED PICKUP DEVICE Attorney Docket No.: 47434.70
24.	Applicant / Patent Owner: Yoshitomo Teraoka Application No. / Patent No.: 10/942,688 Filed / Issue Date: 09/15/2004 Entitled: ELECTRICALLY-CONTROLLED SOLDERING POT APPARATUS Attorney Docket No.: 47434.74 Examiner: Rachel E. Beveridge Art Unit: 1725 Confirmation: 1266

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25.	Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 7,126,086 Filed / Issue Date: 10/24/2006 Entitled: CARTRIDGE-TYPE SOLDERING IRON Attorney Docket No.: 47434.75
26.	Applicant / Patent Owner: Mitsuhiko Miyazaki, et al. Application No. / Patent No.: 11/036,417 Filed / Issue Date: 01/14/2005 Entitled: CONTROL SYSTEM FOR BATTERY POWERED HEATING DEVICE Attorney Docket No.: 47434.76 Examiner: Stephen J. Ralis Art Unit: 3742 Confirmation: 4249
27.	Applicant / Patent Owner: Mitsuhiko Miyazaki Application No. / Patent No.: 11/365,216 Filed / Issue Date: 02/28/2006 Entitled: LOCKING MECHANISM FOR SOLDERING IRON Attorney Docket No.: 47434.84 Examiner: unassigned Art Unit: 3763 Confirmation: 1512
28.	Applicant / Patent Owner: Mitsuhiko Miyazaki Application No. / Patent No.: 10/688,413 Filed / Issue Date: 10/17/2003 Entitled: ELECTRIC PART HANDLING DEVICE Attorney Docket No.: 62649.2 Examiner: Minh N. Trinh Art Unit: 3729 Confirmation: 2210
29.	Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 6,972,396 Filed / Issue Date: 12/06/2005 Entitled: ELECTRIC PART HEATING DEVICE AND ELECTRIC PART HANDLING DEVICE Attorney Docket No.: 62649.3
30.	Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: D493342 Filed / Issue Date: 07/27/2004 Entitled: CONTROLLER FOR SOLDERING IRON Attorney Docket No.: 62649.6
31.	Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: D497527 Filed / Issue Date: 10/26/2004 Entitled: CONTROLLER FOR SOLDERING IRON Attorney Docket No.: 62649.7

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32. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 6,750,431 Filed / Issue Date: 06/15/2004 Entitled: ELECTRIC COMPONENT REMOVING DEVICE Attorney Docket No.: 62649.8
33. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: D490448 Filed / Issue Date: 05/25/2004 Entitled: CONTROLLER FOR SOLDERING IRON Attorney Docket No.: 62649.9
34. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 6,871,804 Filed / Issue Date: 03/29/2005 Entitled: A DISCONNECTABLE NOZZLE FOR HOT AIR Attorney Docket No.: 62649.10
35. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 6,833,531 Filed / Issue Date: 12/21/2004 Entitled: TEMPERATURE ADJUSTING DEVICE FOR A SOLDERING IRON Attorney Docket No.: 62649.13
36. Applicant / Patent Owner: Tetuo Yokoyama Application No. / Patent No.: 10/859,936 Filed / Issue Date: 06/02/2004 Entitled: TEMPERATURE CONTROL SYSTEM FOR SOLDER HANDLING DEVICES AND METHOD FOR TEMPERATURE CONTROL FOR THOSE DEVICES Attorney Docket No.: 62649.14 Examiner: Michael Aboagye Art Unit: 1725 Confirmation: 7181
37. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: D530349 Filed / Issue Date: 10/17/2006 Entitled: CONTROLLER FOR SOLDERING IRON Attorney Docket No.: 62649.17
38. Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: D522328 Filed / Issue Date: 06/06/2006 Entitled: SOLDERING IRON MAIN BODY Attorney Docket No.: 62649.18

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39.	Applicant / Patent Owner: Mitsuhiro Miyzaki Application No. / Patent No.: 29/233,090 Filed / Issue Date: 06/27/2005 Entitled: WIRE INSULATION STRIPPING TOOL Attorney Docket No.: 62649.20 Examiner: Deanna L. Fluegeman Art Unit: 2911 Confirmation: 1592
40.	Applicant / Patent Owner: Takashi Uetani Application No. / Patent No.: 29/234,239 Filed / Issue Date: 07/14/2005 Entitled: OXIDE REMOVER FOR SOLDERING TIPS Attorney Docket No.: 62649.21 Examiner: Patricia Ann Palasik Art Unit: 2915 Confirmation: 7815
41.	Applicant / Patent Owner: Mochizuki Toshikazu Application No. / Patent No.: 29/234,297 Filed / Issue Date: 07/14/2005 Entitled: NITROGEN EXTRACTOR Attorney Docket No.: 62649.22 Examiner: Antoine D. Davis Art Unit: 2915 Confirmation: 8854
42.	Applicant / Patent Owner: Yoshimoto Teraoka Application No. / Patent No.: 29/260,032 Filed / Issue Date: 05/17/2006 Entitled: THERMOMETER Attorney Docket No.: 62649.23 Examiner: Antoine D. Davis Art Unit: 2913 Confirmation: 9109
43.	Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: D542110 Filed / Issue Date: 05/08/2007 Entitled: HOLDER FOR SOLDERING IRONS Attorney Docket No.: 62649.25
44.	Applicant / Patent Owner: Mitsuhiro Miyazaki Application No. / Patent No.: 29/272,048 Filed / Issue Date: 01/31/2007 Entitled: WIRE INSULATION STRIPPING TOOLS Attorney Docket No.: 62649.32 Examiner: Philip S. Hyder Art Unit: 2915 Confirmation: 3270

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45.	Applicant / Patent Owner: Toshinobu Ishihara Application No. / Patent No.: 29/272,075 Filed / Issue Date: 01/31/2007 Entitled: PREHEATER FOR MELTING SOLDER Attorney Docket No.: 62649.33 Examiner: Patricia Ann Palasik      Art Unit: 2915      Confirmation: 2484
46.	Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 5,408,072 Filed / Issue Date: 04/18/1995 Entitled: VARIABLE TEMPERATURE HIGH FREQUENCY INDUCTION HEATING SOLDERING IRON Attorney Docket No.: 47434.8
47.	Applicant / Patent Owner: Kayoko Yoshimura, et al. Application No. / Patent No.: 11/138,656 Filed / Issue Date: 05/25/2005 Entitled: SOLDERING IRON WITH REPLACEABLE TIP Attorney Docket No.: 47434.79 Examiner: Michael Aboagye      Art Unit: 1725      Confirmation: 8504
48.	Applicant / Patent Owner: HAKKO CORPORATION Application No. / Patent No.: 6,019,270 Filed / Issue Date: 02/01/2000 Entitled: SOLDERING IRON TIP Attorney Docket No.: 47434.91

I hereby appoint practitioners associated with **Customer Number 44955** as my/our attorney(s) or agents(s) to prosecute the above-identified patent applications, and to transact all business in the United States Patent and Trademark Office connected with the above-identified patent applications and patents.

Please recognize or change the correspondence address for the above-identified patent applications and patents to the address associated **Customer Number 44955**.



## PATENT

Hakko Corporation is the Assignee of record of the entire interest. A statement under 37 CFR § 3.73(b) is enclosed.

Signature	<i>Kayoko Yoshimura</i>	Date	July 6, 2007
Printed Name	Kayoko Yoshimura	Telephone Number	+81-6-6561-8040
Title & Company	President, Hakko Corporation		